## DC-8 10/27/17 - 10/28/17

Aircraft: DC-8 - AFRC (See full schedule)

Flight Number: 1234

Payload Configuration: ATom-3 configuration - AMP, AO2, ARMAS, ATHOS, CAFE, CAFS, CAPS, CIT-CIMS, DLH, DLH-X, GT-CIMS,

ISAF, Medusa, MMS, NOAA-CIMS, NOyO3, PALMS, PANTHER, PFP, Picarro, QCLS, SAGA, SP2, TØGA, UC.

Nav Data Collected: Yes

Archive Data: 20171027 (78 archive (plain-text) files; 4 binary files)

Total Flight Time: 6.5 hours

Submitted by: Timothy Moes on 10/29/17

Flight Segments:

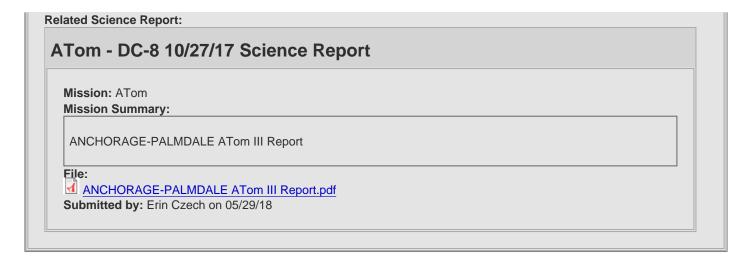
From:	PANC - Anchorage International	То:	KPMD - Palmdale			
Start:	10/27/17 18:24 Z	Finish:	10/28/17 00:53 Z			
Flight Time:	6.5 hours					
Log Number:	188001 - Completed as of this flight.	PI:	Steven Wofsy			
Funding Source:	Jennifer Olson - NASA - SMD - ESD - ESSP Mission Manager					
Purpose of Flight:	Science					
Comments:	ATom-3 Science Flight RF13 PANC-KPMD. This is the final flight of the ATom-3 campaign. Rough start prior to takeoff as the generators would not parallel so we chose to rebalance some of the converter loads and fly unparalleled. No problems during the flight with power to the science instruments. Completed 5.2 vertical profile maneuvers and an eddy flux maneuver at 500', 2000', and 4200' over the ocean. CAFS zenith senor was INOP the whole flight. Other than that, the science instruments did well and the aircraft returned in good shape. That concludes ATom-3.					

Flight Hour Summary:

	188001
Flight Hours Approved in SOFRS	107.6
Total Used	103.5
Total Remaining	4.1

188001 Flight Reports								
Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown		
10/01/17 - 10/02/17	1223	Science	10	10	97.6			
<u>10/04/17 -</u> <u>10/05/17</u>	1224	Science	7.4	17.4	90.2			
<u>10/06/17 -</u> <u>10/07/17</u>	1225	Science	8.9	26.3	81.3			
<u>10/09/17 -</u> <u>10/10/17</u>	1226	Science	9.2	35.5	72.1			
<u>10/12/17 -</u> <u>10/13/17</u>	1227	Science	9.9	45.4	62.2			
<u>10/14/17</u>	1228	Science	10.7	56.1	51.5			
<u>10/17/17</u>	1229	Science	9.5	65.6	42			
10/19/17	1230	Science	4.6	70.2	37.4			
10/20/17	1231	Science	7.7	77.9	29.7			
10/23/17	1232	Science	9.5	87.4	20.2			
10/25/17	1233	Science	9.6	97	10.6			
<u>10/27/17 -</u> <u>10/28/17</u>	1234	Science	6.5	103.5	4.1			

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.



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